

## 19<sup>th</sup> International Conference ICTERI-2024: ICT in Education, Research, and Industrial Applications

September 23 – 27, 2024, Lviv – Ukraine

LinkedIn Group: [ICT in Education, Research, and Industrial Applications](#)

Facebook Group: [ICTERI Conference](#)



Venue: [Ukrainian Catholic University](#), Lviv  
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### ICTERI-2024 Scope and Structure

ICTERI is an annual peer-reviewed international Computer Science conference. It focuses on research, design, development, deployment, and usage of advanced Information Systems (IS) and Information and Communication Technology (ICT) Infrastructures in industry and education. Special attention is given to the feasibility and practicality of the proposed ideas/solutions, with a focus on their potential or existing implementation. This can be demonstrated, for example, by a proof-of-concept implementation, a comprehensive prototype, a comprehensive case study, or the analysis of real use cases. Submissions on academic-industrial partnerships for ICT innovation, knowledge transfer, and technological/methodological reports are also welcome.

Besides the main technical programme, ICTERI-2024 will host a number of workshops on topics related to the general theme of the conference. The role of the workshops is to provide a platform for a more intensive scientific exchange amongst researchers interested in a deeper look into a particular topic and as a meeting point for the community.

We call for half-day or full-day **Workshop Proposals**, which contribute to the enrichment of the ICTERI **Thematic Track** topics:

- **Track 1: Advances in Fundamental ICT/IS Research, and their Applications**
  - Information Science: data and knowledge integration and interoperability; data mining and knowledge discovery
  - Big Data: managing big data and linked open data at scale; data analytics and business intelligence
  - Large-scale distributed computing, cloud- and edge-based approaches
  - Model-driven architectures/approaches for software development and deployment
  - Smart systems: models, technologies, and applications
  - Knowledge representation and reasoning, ontologies and knowledge graphs: extraction, engineering, and evolution
  - Recommender systems: methods and technologies
  - Solving challenges in digital societies
  - Theoretical foundations and practical implications
- **Track 2: Artificial Intelligence: Research and Applications**
  - Deep learning for information mining and knowledge discovery from data of different modalities: text, image, audio, video, sensor output, etc.
  - Novel hybrid or synergetic AI-based approaches for solving computer vision and augmented reality problems
  - Machine-learning-based, statistical, and rule-based approaches in natural language processing solutions and applications

- Self-explanatory deep-learning-based solutions for real-world applications
- Planning and reinforcement learning in AI solutions
- (Distributed) AI-based solutions in robotics and simulation
- Ethics in AI: Societal Impacts and Critical Applications

- **Track 3: ICT Applications in Academia & Industry**
  - ICT solutions for competence design and development
  - ICT development to support technology-enhanced teaching and learning, including life-long learning
  - ICT solutions for quality assurance in education and education management
  - Novel ICT infrastructures, tools, and environments for research, cooperation, and knowledge transfer
  - Experiences in the development and use of ICT for personnel training in industry
  - Best practices in cooperative academic-industrial ICT projects; joint academic-industrial ICT research and development
  - Successful deployments of novel ICT applications in industry, public organizations, or governments

### Important Dates

All deadlines are "Anywhere on Earth" (23:59 Hawaii) time  
Monday, 04.03.2024 – workshop proposals submission  
Monday, 11.03.2024 – acceptance notification  
Monday, 23.09.2024 – Friday, 27.09.2024 – **Conference days**

### Indicative Deadlines for Organizing a Workshop

- Paper submission: Monday, 06.05.2024
- Acceptance notification: Monday, 08.07.2024
- Camera-ready paper submission: Monday, 12.08.2024
- Registration for workshop authors: Monday, 12.08.2024

### No Fees

ICTERI does not charge any conference fee. Participation is FREE, including the Workshops. Infrastructure and service expenses are covered by our sponsors.

### Workshop Proposals

Workshops should provide forums for discussion among researchers and practitioners on focused topics or emerging research areas. Organizers may structure workshops as they see fit, possibly including invited talks, panel discussions, presentations of work in progress, peer-reviewed papers, or some combination. Workshops could be scheduled for a half of a day

or full day, depending on interest, space constraints, and organizer preference. Organizers should design workshops for approximately 15-30 participants to balance impact and effective discussion.

In order to meet these goals, a workshop proposal should present their topical scope that meets the following criteria:

- It falls into the general scope of ICTERI-2024
- There is a clear focus on a specific theme, research field, technology, problem, or application area
- There is a sufficiently large audience interested in the topic

The organizers of accepted workshops will prepare a workshop webpage containing a call for papers and detailed information about the workshop organization and timelines. The organizers of successful workshops will be responsible for:

- Their own submission and reviewing process
- Publicity (e.g., website, etc.)
- Publishing their own proceedings where they see fit

The organizers of the accepted workshops will be required to cooperate closely with the ICTERI-2024 program chairs and local organizers to finalize all mentioned details and ensure a successful co-located event.

## Recommended Structure of a Proposal

It is strongly suggested that a Workshop Proposal includes:

- The name and acronym of the workshop
- The proposed duration of the workshop – half day or full day
- The abstract describing the proposed workshop for publishing (if accepted) at the conference website. The length of the abstract is circa 200 words.
- The description of the theme of the workshop. The list of the topics of interest. The description of the relation between the theme of the workshop and ICTERI-2024 themes.
- The types of submissions solicited by the proposed workshop. The proposers are suggested to check the types of papers called for by the main ICTERI-2024 conference at its website.
- A grounded estimation of the potential interest to the workshop theme and expected number of submissions
- The names and affiliations of the workshop organizers and program committee
- The information about previous offerings of the workshop (if any), including the numbers of attendees, the numbers of papers submitted and accepted, and the links to the corresponding websites and proceedings
- Publicity plan for attracting submissions and attendees
- Explanation of how the presentation of all accepted papers by the authors will be ensured
- Important dates

Proposals should clearly state in **which mode** (presential, hybrid, or virtual) the workshop will be run. We strongly recommend to opt for the presential mode.

It is recommended that the Workshops operate roughly within the timeline given in the **Indicated Deadlines** section (above).

## Proposal Submission Guidelines

The language of the main ICTERI Conference is English. Workshop Proposals submitted in any other language will be rejected without review.

Submissions should be made electronically in PDF format. The authors should use the ICTERI electronic submission system at <https://easychair.org/conferences/?conf=icteri2024> and submit their proposals to the **ICTERI-2024 W-shop Proposals** Track.

## Publication of Workshop Proceedings

The organizers of the ICTERI Workshops publish their workshop proceedings themselves, where they see appropriate.

## Presentation of Workshop Papers

As already mentioned, workshop proposers should explain how they ensure that all accepted papers are presented at their workshop. It is strongly recommended that all the papers, accepted for an ICTERI-2024 workshop, are presented at the workshop session of the conference by one of the authors. The author who presents their paper must register and attend the conference.

## Organizers

- [Ministry of Education and Science of Ukraine](#)
- [Kherson State University](#), Ukraine
- [Ukrainian Catholic University](#), Ukraine
- [University of Liverpool](#), UK
- [Ludwig Maximilian University of Munich](#), Germany
- [V.N. Karazin Kharkiv National University](#), Ukraine
- [National University of Kyiv Mohyla Academy](#), Ukraine
- [Taras Shevchenko National University of Kyiv](#), Ukraine
- [Universität Klagenfurt](#), Austria
- [Lviv Polytechnic National University](#), Ukraine
- [University of Warmia and Mazury in Olsztyn](#), Poland
- [Ukrainian Scientific and Educational IT-Society \(UNIT\)](#), Ukraine
- [ELLIS Associate Unit Lviv](#), EU
- [SLM Software](#), AoE

## General Chairs

**Yaroslav Prytula**, Ukrainian Catholic University, Ukraine  
**Oleksandr Spivakovsky**, Kherson State University, Ukraine

## Program Chairs

**Vadim Ermolayev**, Ukrainian Catholic University, Ukraine  
**Igor Potapov**, University of Liverpool, UK

## Local Organization Chairs

**Oles Doboševych**, Ukrainian Catholic University, Ukraine  
**Maksym Vinnik**, Kherson State University, Ukraine

## Publicity Chairs

**Andriy Hrynykha**, Ukrainian Catholic University, Ukraine  
**Nataliya Kushnir**, Kherson State University, Ukraine

## How to Get to Lviv and UCU

Lviv is a major cultural and **tourist** venue in the West of Ukraine, having tight historical links to the neighbouring European countries. The city is easily reachable by using railway or bus connections from Europe through Poland, Slovakia, or Hungary. Lviv is also connected by rail and road to the major Ukrainian cities. More details are available at <https://lviv.travel/en/lviv-plans>.